



- NOTES:**
- FOR GENERAL NOTES, PIPING SYMBOLS, AND PID INDEX SEE DRAWING M-001.
 - FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
 - SYSTEM FUNCTIONS SHOWN ARE FOR NORMAL OPERATION UNDER FULL LOAD.
 - DELETED.
 - RETURN LINES TO SPENT FUEL POOL FROM THE SKIMMER PUMP ARE EVENLY SPACED ACROSS THE SOUTH END OF THE POOL.
 - THE SPENT FUEL POOL SKIMMERS ARE LOCATED AT THE NORTH END OF THE POOL.
 - PENETRATE POOL WALL LOWER THAN 3 FEET BELOW NORMAL WATER LEVEL AND HIGHER THAN 9 FEET ABOVE THE SPENT FUEL ASSEMBLIES.
 - DELETED.
 - TERMINATE INSTRUMENT PIPING 5 FEET BELOW NORMAL WATER LEVEL.
 - ANY PIPES PENETRATING POOL AND CANAL MUST BE LOCATED HIGHER THAN 9'-0" ABOVE SPENT FUEL ASSEMBLIES.
 - THE CASK PIT DRAIN ENDS AT ELEV. 590'-0", WHERE IT PENETRATES THE PIT.
 - ALL DRAINS, UNLESS OTHERWISE NOTED ON DIAGRAM, TO BE LOCALLY PIPED TO THE NEAREST EQUIPMENT DRAIN.
 - OVERFLOW PIPE TO PENETRATE WALL AT ELEVATION 600'-3" AND TURN UP SO OVERFLOW OPENING IS AT ELEVATION 601'-9".
 - RETURN LINES TO REFUELING CANAL FROM THE SKIMMER PUMP ARE EVENLY SPACED ACROSS THE SOUTH END OF THE CANAL.
 - THE REFUELING CANAL SKIMMERS ARE LOCATED AT THE NORTH END OF THE CANAL.
 - DELETED.
 - CAPACITY OF FUEL TRANSFER PIT=143,250 GAL. (GROSS) CAPACITY OF CASK PIT=67,400 GAL. (GROSS).
 - THE REFUELING CANAL WATER VOLUME DOWN TO REACTOR VESSEL FLANGE IS 304,000 GALLONS (REFUELING CANAL VOLUME LESS LOWER CANAL VOLUME).
 - DELETED.
 - UNLESS OTHERWISE NOTED, ALL DRAIN CONN. ARE 1" AND ALL VENT CONN. 1/2" LINE IDENT. SAME AS HEADER.
 - TERMINATE TUBING AT ELEVATION 578'-0" WHICH IS THE TOP OF THE REACTOR BOTTOM FLANGE FOR CONNECTING TO THE HEAD.
 - DELETED.
 - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DG-OP-0009 (FORMERLY AD1839.03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 - OVERFLOW PIPE TO PENETRATE WALL AT ELEVATION 600'-6" AND TURN UP SO OVERFLOW OPENING IS AT ELEVATION 602'-0".
 - FLOOR STAND VALVE HANDWHEEL HAS BEEN REMOVED TO ALLOW CLEARANCE FOR FUEL HANDLING BRIDGE MOVEMENT.
 - CONNECTION FOR TEMPORARY PUMP OR HOSE.
 - WHERE NOTED THE TANK CAPACITY IS NOMINAL, WHERE APPLICABLE, SEE DG-OP-0005 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCAOR 96-0976).
 - SOME VALVES NUMBERED WITH A "P" DESIGNATION (I.E. PMS2) ARE BEING USED TO SUPPLY DEMINERALIZED WATER. REFERENCE MOD 95-0050.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.

B. FUEL TRANSFER TUBES AND FLANGES ARE EVALUATED AS STRUCTURAL COMPONENTS.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M035 REV. 0

SYSTEMS SHOWN ON THIS DRAWING:
 06: DECAY HEAT REMOVAL & LOW PRESSURE INJECTION
 13: COMPONENT COOLING & DEMINERALIZED WATER STORAGE
 15: SPENT FUEL POOL COOLING & CLEANUP
 23: SAMPLING
 24: NONSAFETY AFFECTING SAFETY
 25: BORON RECOVERY

BECHTEL COMPANY
 GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION
 THE TOLEDO EDISON COMPANY
 THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PIPING AND INSTRUMENT DIAGRAM
SPENT FUEL POOL COOLING SYSTEM

JOB NO.	DRAWING No.	REV.
7749	M-035	52

D-53

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